

FIG. 1



2 / 7

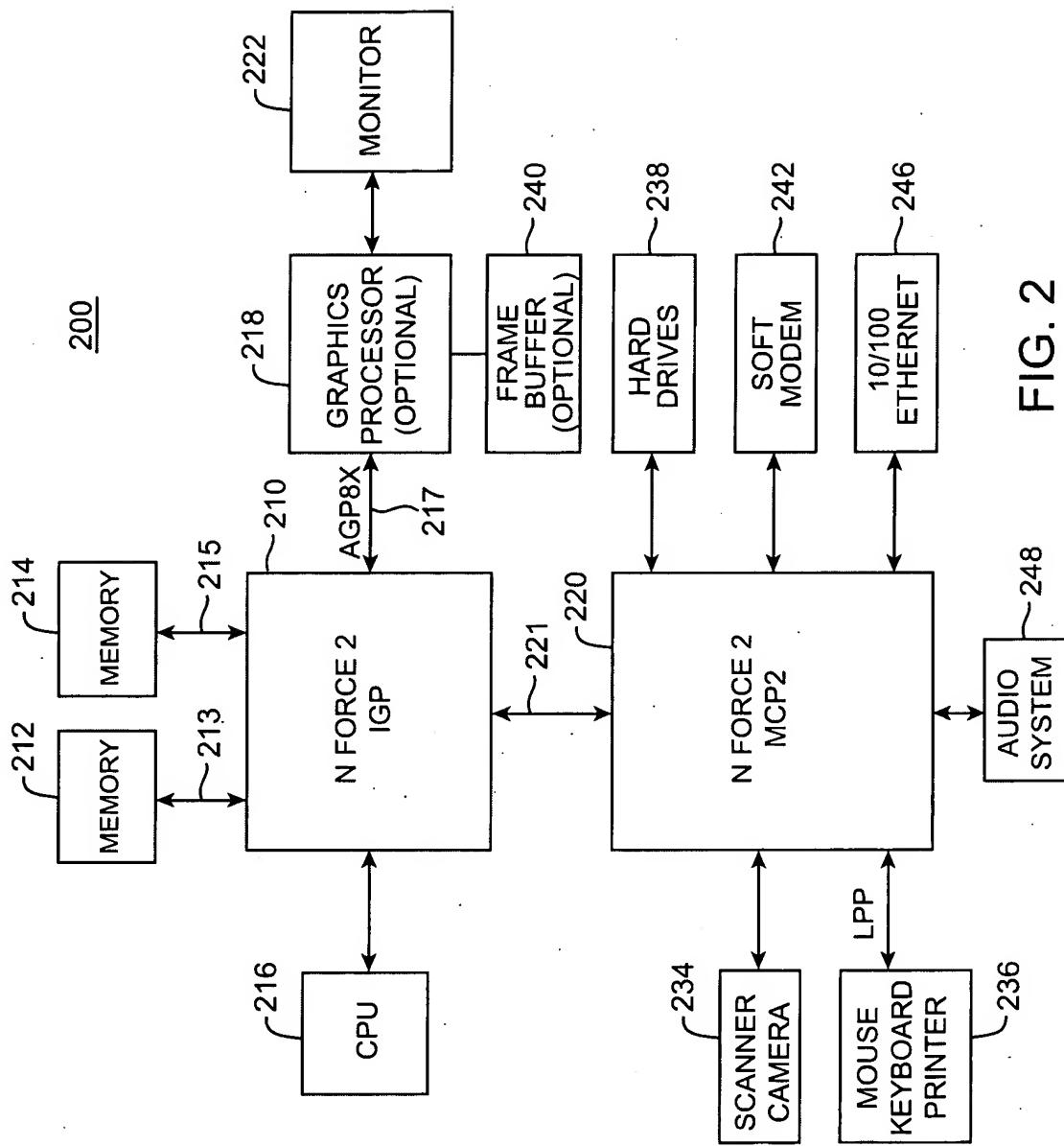
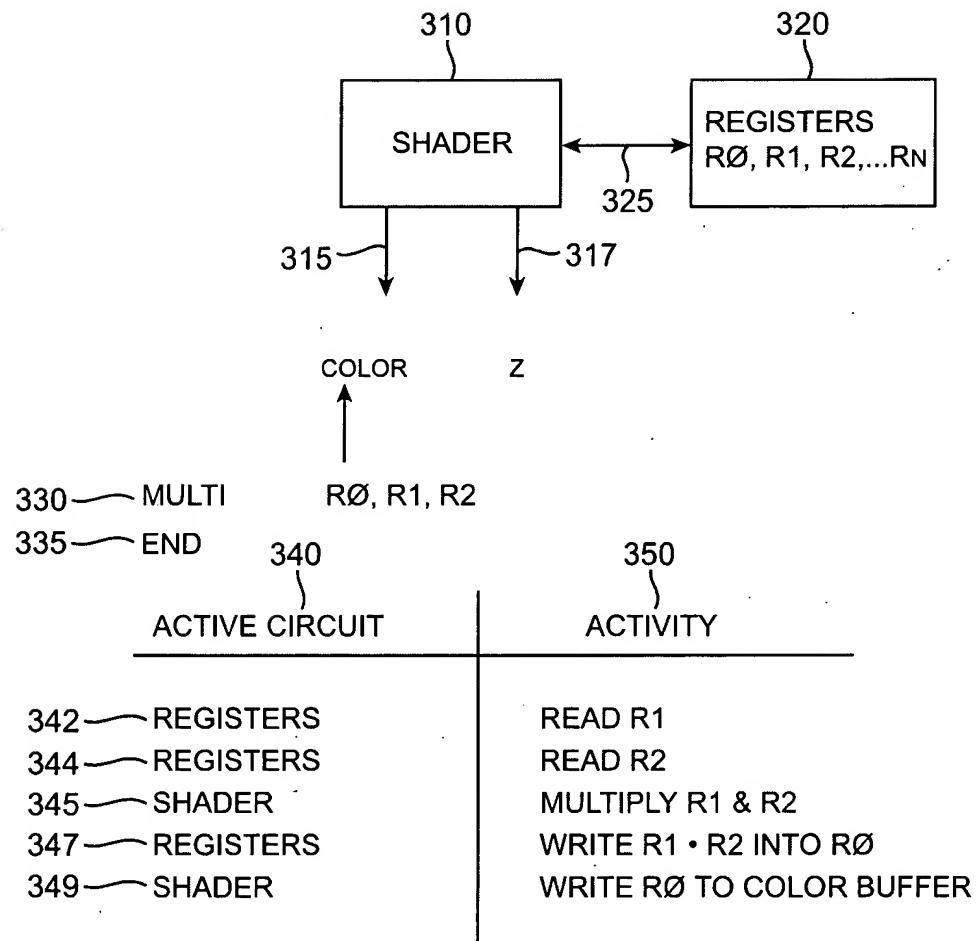


FIG. 2



PRIOR ART

FIG. 3

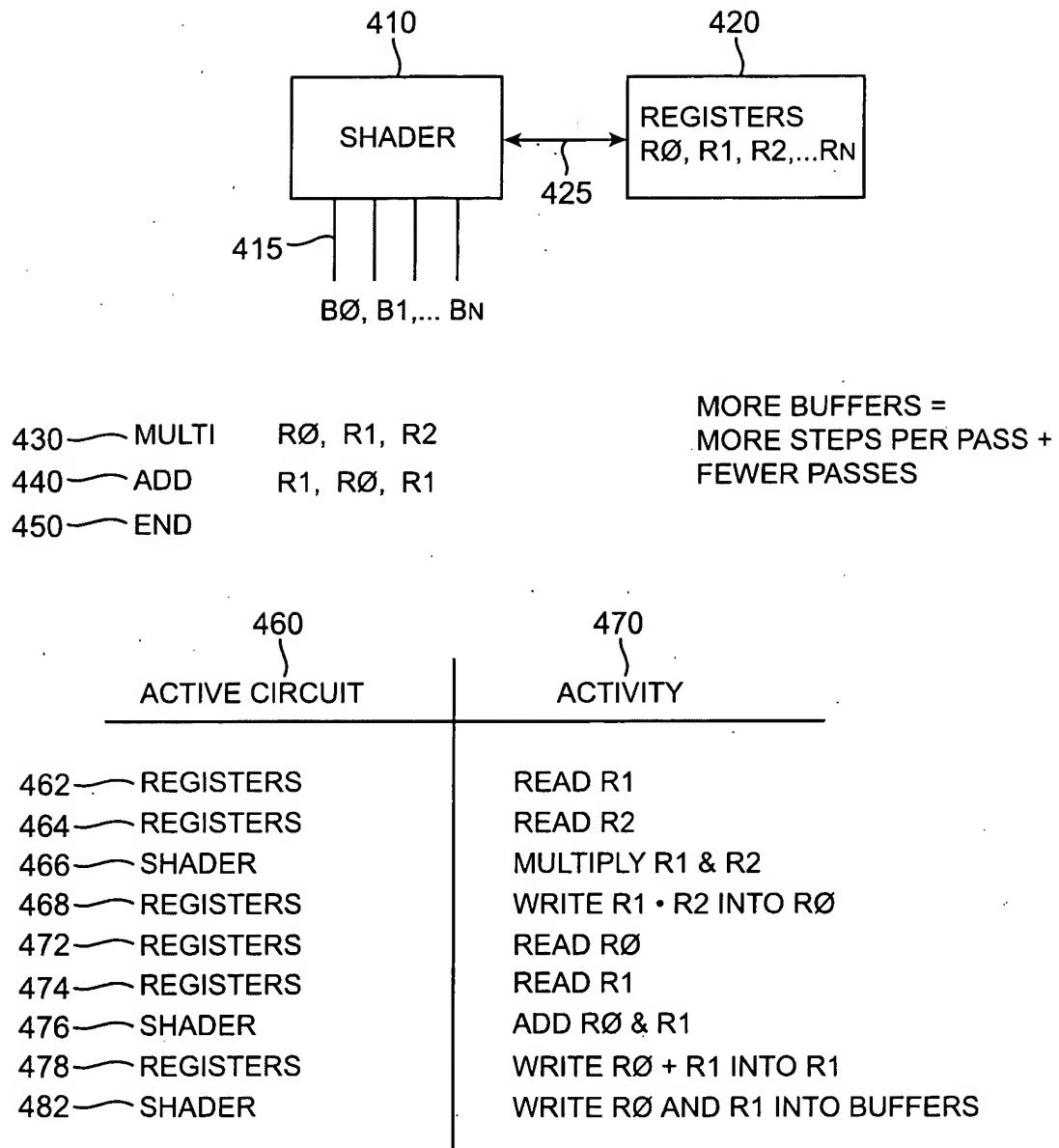


FIG. 4

510—MULTI RØ , R1, R2

520—PST RØ , #ZL

530—ADD RØ , R3 , R4

540—PLD R1 , #ZH

550—PLD RØ , #id INDIRECT (FIXED)

552—PLD RØ , @ R1 IDENTIFICATION (MOVABLE)

554—PLD RØ , # address DIRECT REFERENCE

556—PLD RØ , @ R1 ADDRESS

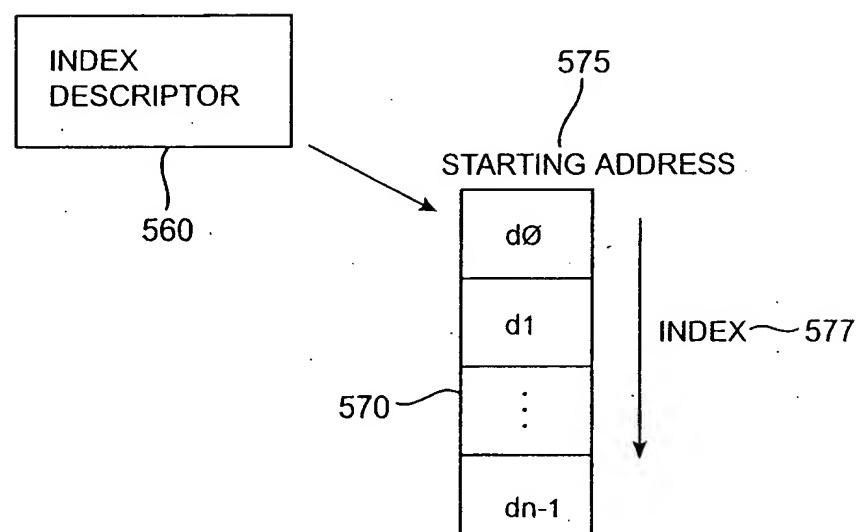


FIG. 5

610 — IF ($Z_L < Z$ AND $Z < Z_H$) SET $Z_H = Z$ 620 — IF ($Z \leq Z_L$) SET $Z_H = Z_L$, SET $Z_L = Z$

$632 \nearrow$ $630 \searrow$ INCREASING Z		$642 \nearrow$ $640 \searrow$ INCREASING Z		$670 \nearrow$ $672 \nearrow$ $674 \nearrow$ $676 \nearrow$ $678 \nearrow$ $679 \nearrow$					
$632 \nearrow$ IF: THEN: $Z_H = Z$ $Z_H \Rightarrow$ $Z_L = Z_L$		$642 \nearrow$ IF: THEN: $Z_H = Z_L$ $Z_L = Z$ Z		$R\emptyset$	$R1$	$R2$	$R3$	Z_H	Z_L
$650 \nearrow$ COMMANDS									
652 — PLD	$R\emptyset, \#Z_L$	ZL	-	-	-	ZH	ZL		
654 — PLD	$R1, \#Z_H$	ZL	ZH	-	-	ZH	ZL		
656 — LT	$R2, R\emptyset, Z$	ZL	ZH	FALSE	-	ZH	ZL		
658 — LT	$R3, Z, R1$	ZL	ZH	FALSE	TRUE	ZH	ZL		
660 — AND	$R3, R2, R3$	ZL	ZH	FALSE	FALSE	ZH	ZL		
662 — PSTC	$\#Z_H, Z, R3$	ZL	ZH	FALSE	FALSE	ZH	ZL		
664 — PSTC	$\#Z_L, Z, \sim R2$	ZL	ZH	FALSE	FALSE	ZH	Z		
665 — PSTC	$\#Z_H, R\emptyset, \sim R2$	ZL	ZH	FALSE	FALSE	ZL	Z		

FIG. 6

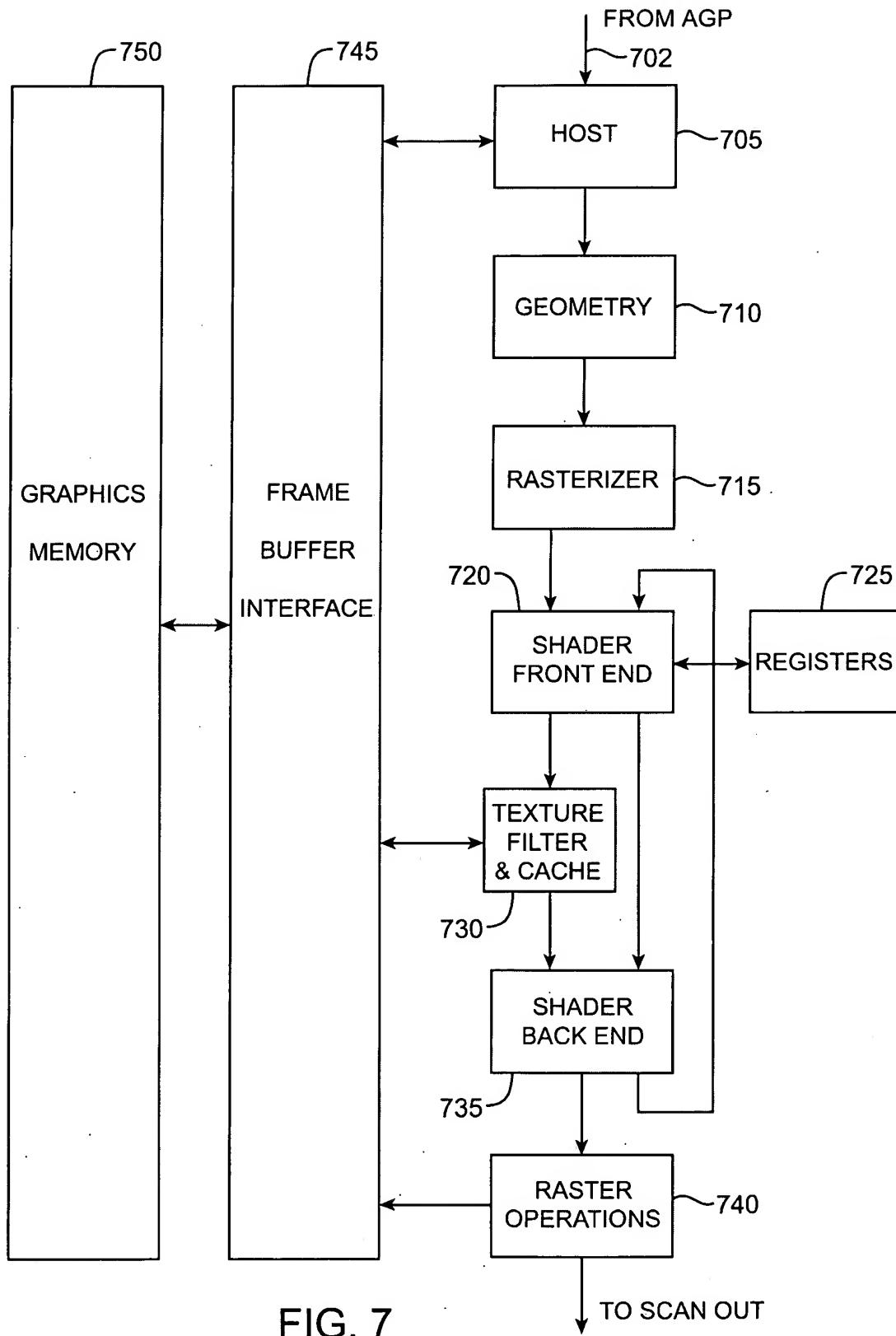


FIG. 7